



Cardinal
ENVIRONMENTAL
CONSULTANTS INC.

Hazardous Materials Inspection Report

(Limited to the Admin Roof)

Site:

Academy
515 East 7th Street
Perris, CA 92570

Prepared for:

Perris Union High School District
515 East 7th Street
Perris, CA 92570

Date: March 30th, 2019



Cardinal Environmental Consultants, Inc.

2691 Dow Avenue, Suite C-2

Tustin, CA 92780

Phone: (714) 730-5931

Fax: (714) 730-1697

Date of report: March 30th, 2019

Owner/Client: Perris Union High School District
515 East 7th Street
Perris, CA 92570

Site Information: The Academy Community Day
515 East 7th Street
Perris, CA 92570

This is a pre-renovation survey for the Academy Community Day Center in Perris Union High School District. Upcoming roof replacement work has prompted this inspection report and Cardinal Environmental staff has prepared these documents to coincide with bidding requirements.

The structure is a typical school building comprised of stucco and wood on a concrete slab foundation. This survey is specific to the roof of the Administration (main) building.

Regulatory Compliance

On March 30th, 2019 Cardinal Environmental Consultants Inc., conducted an asbestos survey of the Admin (main) roof at the Academy Community Day Center. The survey was completed in compliance with the federal AHERA (Asbestos Hazard Emergency Response Act) 40 CFR Part 763 subpart E. The Act indicates procedures for sampling and reporting of asbestos information (about the school) to students, staff, and contractors working on schools where students K through 12 are present. David G Johnson (CSST # 17-5918) conducted this survey.

Adherence to NESHAP (National Emission Standard for Hazardous Air Pollutants) has been achieved with compliance to South Coast Air Quality Management District's Rule 1403. SCAQMD is the local air quality district that regulates and monitors asbestos abatement activity in the region of the school district.

Sampling Methodology - Asbestos

Cardinal Environmental Consultants Inc. used several procedures from visual assessments to tactile assessments and a modified random sampling protocol to collect the samples of the suspect asbestos containing material. Cardinal's sampling procedures incorporate the use of plastic Ziploc bags, labeled with black permanent markers per a unique numbering sequence. One label with the suspect samples collected for this report was given a unique sample identification number. A second description was placed on the bulk sample log. Information about the sample, including the sample type and location was noted on the sheet as each sample was collected.

Asbestos: Any building material which contains asbestos in an amount greater than 1% by weight, area.

<1% Asbestos: Federal regulations and SCAQMD (South Coast Air Quality Management District) do not regulate asbestos at this percentage. Notifications to these agencies do not apply. However, OSHA regulations do apply. These are specific to "worker protection" issues. A contractor who is "DOSH certified" is required if removing more than a 100 square feet. Federal and State regulations do not regulate the disposal of this type of construction debris with this level of asbestos. However, your local landfill may have a "zero tolerance" for any asbestos containing debris.

Suspect Asbestos-Containing Materials

Samples of suspect Asbestos-containing materials were taken throughout the interior and exterior of the buildings. We were able to collect representative samples of all the building materials.

The following materials were tested:

- Roofing
- Penetration Mastic

Results

All samples were packaged and shipped to Patriot Laboratories an NVLAP accredited (#200358- 0) laboratory. The analysis procedure used to determine the presence of asbestos is outlined in the Code of Federal Regulations 40 CFR part 763, Section 1, Appendix A, Polarized Light Microscopy.

The following tables depict the asbestos at the school. The investigator has reviewed the results and construction of the buildings and made adjustments to the locations and the quantities based on "homogeneous areas". AHERA can require that like areas in type, construction, and use (that test positive for asbestos) be combined with other similar areas. Therefore, some areas may not be specifically tested for asbestos but be included in an area of asbestos. Likewise, an area that has tested negative for asbestos could be included in the asbestos table because of the definition of "homogeneous area". Subsequent tables in this document depict what was sampled and the outcome of each. Those subsequent tables should be used for clarification and not for quantification of asbestos.

Asbestos:

Administration (Main) Building		Qty
Penetration Mastic	Located at Vents and HVAC Components on Roof	100 sf

The ***ESTIMATED*** quantities and locations ***ARE NOT*** to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials ***in the path of construction*** through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and sit visits must be submitted in writing to the Owner or Owner's representative, ***PRIOR*** to bidding.

Further Discussion

The following section discusses the results of the inspection at the Academy Community Day Center.

Summary

Penetration Mastic was found to contain asbestos. This will need to be abated by DOSH licensed abatement contractor before work can commence.

Contractors are obligated to review the scope of work when determining the asbestos removal quantities. The table lists all of the asbestos in the building not the removal quantities. The contractor should review the plans to determine the exact removals.

Although we aggressively searched for asbestos, the contractor should be made aware of the potential of uncovering asbestos during demolition. A supervisor trained in identifying asbestos should be present at the beginning of demolition.

Date: 03/30/19

Sincerely yours,
CARDINAL ENVIRONMENTAL CONSULTANTS INC.,
A California Corporation



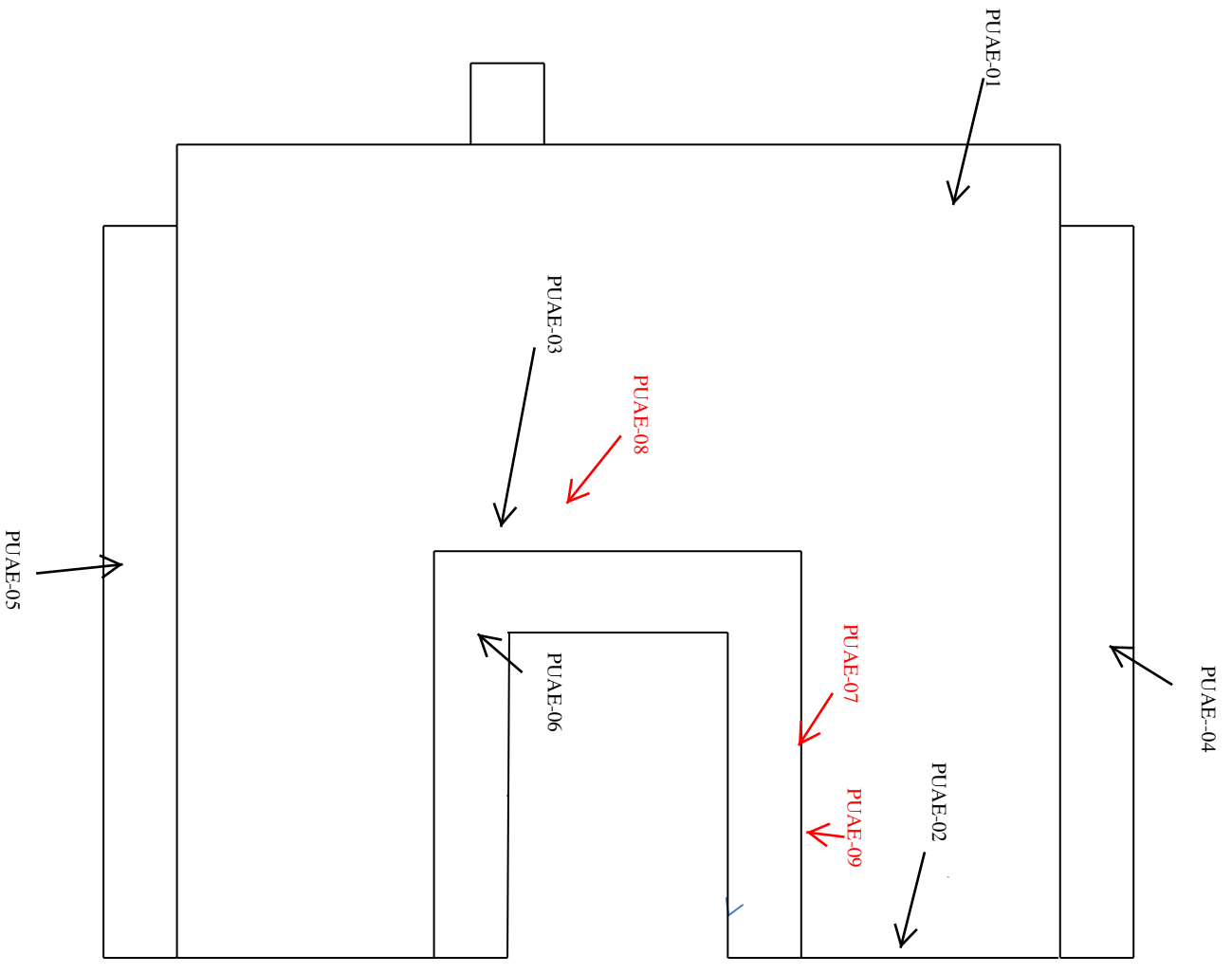
By:

Ronald R. McDaniel
California Certified Asbestos Consultant #01-2865
CDPH Certified Lead Inspector/Assessor and Project Monitor/Designer #3599

Diagram(s)



Cardinal
ENVIRONMENTAL
CONSULTANTS INC.



Sampling Table

Bulk Sample Data
Table
(Asbestos)

Date: 3/30/2019

Technician: Ronald McDaniel

Client: Perris Union High School District
Location: Adult Education Center
The Academy Community Day

Analysis: Polarized Light Microscopy
Type: Code of Federal Regulations 40 CFR part
763, Section 1, Appendix A

Building #	Material	Sample #	Results	Condition	Hazard Rating	F/NF	Sample Location
Admin	Roofing	PUAE-01	ND			NF	Shingle Roofing
Admin	Roofing	PUAE-02	ND			NF	Shingle Roofing
Admin	Roofing	PUAE-03	ND			NF	Shingle Roofing
Admin	Roofing	PUAE-04	ND			NF	Tar Roofing (Lower Canopy)
Admin	Roofing	PUAE-05	ND			NF	Tar Roofing (Lower Canopy)
Admin	Roofing	PUAE-06	ND			NF	Tar Roofing (Lower Canopy)
Admin	Penetration Mastic	PUAE-07	3% Chrysotile	Good	Low	NF	At Vents and HVAC Units on Roof
Admin	Penetration Mastic	PUAE-08	3% Chrysotile	Good	Low	NF	At Vents and HVAC Units on Roof
Admin	Penetration Mastic	PUAE-09	3% Chrysotile	Good	Low	NF	At Vents and HVAC Units on Roof

ND- none detect for asbestos

NF- non-friable

F - friable

Laboratory Results

Certificate of Analysis
PLM Asbestos Identification

tel - 714-899-8900
 free - 888-743-0998
 fax - 714-899-1188
 PatriotLab.com
 1041 S. Placentia Avenue, Fullerton, CA 92831



Cardinal Environmental Consultants Inc.
 2691 Dow Ave. Ste. C2
 Tustin, CA 92780

Report Number: 758627
 Project Number:
 Project Name: PUHSD Adut E2
 Project Location:

Date Collected:
 Date Received: 3/29/2019
 Date Analyzed: 3/29/2019
 Date Reported: 3/29/2019

Collected By:
 Claim Number:
 PO Number:
 Number of Samples: 9

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
758627-001 PUAE-01	NA	NA	Black	60% Tar 15% Glass Fibers 10% Minerals 15% Cellulose
Total Asbestos	None Detected			
758627-002 PUAE-02	NA	NA	Black	60% Tar 15% Glass Fibers 10% Minerals 15% Cellulose
Total Asbestos	None Detected			
758627-003 PUAE-03	NA	NA	Black	60% Tar 15% Glass Fibers 10% Minerals 15% Cellulose
Total Asbestos	None Detected			
758627-004 PUAE-04	NA	NA	Black	65% Tar 15% Glass Fibers 20% Cellulose
Total Asbestos	None Detected			

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 Claim Number:
 PO Number:
 Number of Samples: 9

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
758627-005 PUAE-05	NA	NA	Black	65% Tar 15% Glass Fibers 20% Cellulose
Total Asbestos	None Detected			
758627-006 PUAE-06	NA	NA	Black	65% Tar 15% Glass Fibers 20% Cellulose
Total Asbestos	None Detected			
758627-007 PUAE-07	NA	NA	Black	97% Tar
Chrysotile	3 %			
Total Asbestos	3 %			
758627-008 PUAE-08	NA	NA	Black	97% Tar
Chrysotile	3 %			
Total Asbestos	3 %			
758627-009 PUAE-09	NA	NA	Black	97% Tar
Chrysotile	3 %			
Total Asbestos	3 %			

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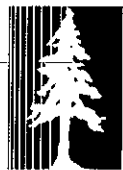


Raul Lanuza - Analyst



Kwin Legaspi - Approved By

Bulk sample(s) submitted was (were) analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR 763, Subpart F, Appendix A; EPA-600/R-93/116 (Method for Determination of Asbestos in Building Materials), and EPA-600/M4-82-020 (US EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples). Samples were analyzed using Calibrated Visual Estimations (CVES); therefore, results may not be reliable for samples of low asbestos concentration levels. Samples of wall systems containing discrete and separable layers are analyzed separately and reported as composite unless specifically requested by the customer to report analytical results for individual layers. This report applies only to the items tested. Results are representative of the samples submitted and may not represent the entire material from which the samples were collected. "None Detected" means that no asbestos was observed in the sample. "<1%" (less than one percent) means that asbestos was observed in the sample but the concentration is below the quantifiable level of 1%. This report was issued by a NIST/NVLAP (Lab Code 200358-0) and CADOHS- ELAP (Cert. No. 2540) accredited laboratory and may not be reproduced, except in full without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report may not be used to claim product certification, approval or endorsement by NIST, NVLAP, ELAP or any government agency.



Cardinal Environmental Consultants Inc.
2691 DOW AVE, #C-2
Tustin, CA 92780-4318

758627

RUSH

Cardinal
ENVIRONMENTAL
CONSULTANTS INC.

SAMPLE SUBMITTAL/CHAIN OF CUSTODY FORM

LAB NAME: *Patriot*

PROJECT NAME: *PUHSD - Adut Eo*

DATE SHIPPED: *3-29-19*

TOTAL # SAMPLES: *9*

CARRIER: *self*

TYPE:

- BULK
- WATER
- AIR
- OTHER:

ANALYSIS:

- PLM
- TEM AHERA
- PCM
- OTHER:

TURNAROUND:

- RUSH *same day*
- 24 HOURS
- 48 HOURS
- 72 HOURS
- FIVE DAY
- OTHER:

3/29 5:30PM

RESULTS REQUESTED:

FAX (714) 730-1697

X E Mail: Dane@cardinalenvironmental.org

X E Mail: Ron@cardinalenvironmental.org

OTHER

CELL: (714)604-7995

SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID
<i>PUAE-01</i>	<i>PUAE-09</i>			
<i>PUAE-02</i>				
<i>PUAE-03</i>				
<i>PUAE-04</i>				
<i>PUAE-05</i>				
<i>PUAE-06</i>				
<i>PUAE-07</i>				
<i>PUAE-08</i>				

INSTRUCTIONS:

SAMPLES DELIVERED BY:

[Signature]

signature:

[Signature]

DATE/TIME:

3-29-18

SAMPLES RECEIVED BY:

[Signature]

signature:

[Signature]

DATE/TIME:

3/29/19 11:30am